

Title (en)

Method for conversion of carbon dioxide into hydrocarbons

Title (de)

Verfahren zur Umwandlung von Kohlendioxid in Kohlenwasserstoffe

Title (fr)

Procédé de conversion de dioxyde de carbone dans les hydrocarbures

Publication

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Application

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Priority

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Abstract (en)

[origin: EP2610235A1] The present invention relates to a method for converting carbon dioxide into hydrocarbons by reacting magnesium with carbon dioxide to obtain magnesium oxide and carbon, reacting the carbon with hot water steam to obtain hydrogen (H₂) and carbon monoxide, reacting hydrogen and carbon monoxide according to the Fischer-Tropsch method, or reacting the carbon obtained with earth alkaline metal oxide to obtain earth alkaline metal carbide and carbon monoxide, wherein the earth alkaline metal carbide is then reacted with water to obtain acetylene and earth alkaline metal hydroxide.

IPC 8 full level

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